1. Select unique job from emp table.

SELECT DISTINCT Job FROM emp

2. List the details of the emps in asc order of the Dptnos and desc of Jobs?

a. SELECT \* FROM emp ORDER by Deptno ASC

b. SELECT \* FROM emp ORDER by Job DESC

3. Display all the unique job groups in the descending order?

select distinct job from emp order by job DESC

4. List the emps who joined before 1981.

SELECT \* FROM emp WHERE Hiredate < ('1981-01-01')

5. List the Empno, Ename, Sal, Daily sal of all emps in the asc order of Annsal.

6. List the Empno, Ename, Sal, Exp of all emps working for Mgr 7369.

7. Display all the details of the emps whose Comm. Is more than their Sal.

SELECT \* FROM emp WHERE Comm > Sal

8. List the emps who are either ‘CLERK’ or ‘ANALYST’ in the Desc order.

SELECT \* FROM emp WHERE Job = 'ANALYST' or Job ='clerk'

9. List the emps Who Annual sal ranging from 22000 and 45000.

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) \* FROM emp WHERE Sal <22000 [or](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_or) sal >45000

10. List the Enames those are starting with ‘S’ and with five characters.

SELECT \* FROM emp WHERE Ename LIKE 's%' AND length (Ename) =5

11. List the emps whose Empno not starting with digit78.

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) \* FROM emp WHERE Empno [NOT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) [LIKE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-comparison-functions.html#operator_like) '78%'

12. List all the Clerks of Deptno 20.

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) \* FROM Emp WHERE Job = 'clerk' [and](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) Deptno = 20

13. List the Emps who are senior to their own MGRS.

[select](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) \* from emp w,emp m where w.mgr = m.empno [and](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) w.hiredate < m.hiredate

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14. List the Emps of Deptno 20 whose Jobs are same as Deptno10.

[select](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) \* from emp e ,dept d where d.deptno = 20 [and](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) e.deptno = d.deptno [and](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) e.job [in](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/comparison-operators.html#function_in) ( [select](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) e.job from emp e,dept d where e.deptno = d.deptno [and](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) d.deptno =10)

15. List the Emps whose Sal is same as FORD or SMITH in desc order of Sal.

SELECT \* FROM emp WHERE Sal in (SELECT sal FROM emp WHERE (Ename = 'SMITH' or Ename = 'FORD')) ORDER BY Sal DESC

16. List the emps whose jobs same as SMITH or ALLEN.

SELECT \* FROM emp WHERE Job in (SELECT Job FROM emp WHERE (Ename = 'SMITH' or Ename = 'ALLEN'))

17. Any jobs of deptno 10 those that are not found in deptno 20.

SELECT \* FROM emp WHERE Deptno = 10 and job NOT IN (SELECT job FROM emp WHERE Deptno = 20 )

18. Find the highest sal of EMP table.

SELECT Ename, MAX(Sal) as Sal from emp

19. Find details of highest paid employee.

select \* from emp where sal in (select max(sal) from emp)

20. Find the total sal given to the MGR.

SELECT SUM(Sal) from emp WHERE job = 'MANAGER'

21. List the emps whose names contains ‘A’.

select \* from emp where ename like '%A%'

22. Find all the emps who earn the minimum Salary for each job wise in ascending order.

SELECT \* from emp WHERE Sal IN(SELECT MIN(Sal) FROM emp GROUP by Job) ORDER BY Sal ASC

23. List the emps whose sal greater than blakes sal.

SELECT \* FROM emp WHERE Sal > (SELECT Sal FROM emp WHERE Ename = 'blake')

24. Create view v1 to select ename, job, dname, loc whose deptno are same.

SELECT emp.Ename, emp.Job, emp.Deptno, dept.DeptNo,dept.LOC from emp,dept WHERE emp.Deptno = dept.DeptNo

25. Create a procedure with dno as input parameter to fetch ename and dname.

DELIMITER //

CREATE PROCEDURE selectdata(INOUT Mydeptno int)

BEGIN

SELECT emp.Ename,dept.Dname FROM emp,dept WHERE emp.Deptno = Mydeptno;

END //

26. Add column Pin with bigint datatype in table student.

ALTER TABLE student ADD COLUMN Pin BIGINT NOT NULL

27. Modify the student table to change the sname length from 14 to 40.

ALTER TABLE student MODIFY COLUMN Sname VARCHAR(40)

28. Create trigger to insert data in emp\_log table whenever any update of sal in emp table. You can set action as ‘New Salary’.

DELIMITER

$$

CREATE TRIGGER before\_salary\_update BEFORE UPDATE ON

emp FOR EACH ROW

BEGIN

INSERT INTO emp\_log

SET Action = 'New Salary',

New\_Salary = new.Sal,

Emp\_id = old.Empno;

END

$$